

harvester (32) automatically with respect to a position of the harvester (32), characterized in that the control unit (38) can be operated to automatically drive the transport vehicle (32) parallel to the harvester (32) and to dock the transport vehicle to the harvester, so as to be able to accept crops from the harvester (32) during travel, and that the transport vehicle (33) is unmanned.

2. Combination according to Claim 1, characterized in that the receiving unit is designed to receive information from a satellite position determination system via signals containing position coordinates, and/or to receive radio and/or radar signals.

3. Combination according to Claim 1 or 2, characterized in that the harvester (32) is equipped with a satellite position determination system whose position signals are transmitted via radio to the receiving unit of the transport vehicle (33).

4. Combination according to at least one of the preceding claims, characterized in that a laser beam guidance system and/or an electronic camera with image processing is available for the transport vehicle (33).

5. Combination according to at least one of the preceding claims, characterized in that the control unit (38) can be operated to calculate a sequence of movement vectors for the approach to the harvester (32) with data stored under an identification of a harvester (32).

6. Combination according to at least one of the preceding claims, characterized in that the harvester (32) is equipped with a transfer tube (99) for the transfer of harvested crops to the transport vehicle (33), and that the relative position of the transfer tube (99) can be adjusted automatically for the uniform loading of the transport vehicle (33).

7. Combination according to at least one of the preceding claims, characterized in that sensors are present on axles and/or wheels of the transport vehicle (33) for the determination of rotational speeds, torques, respective masses, and/or of wheel positions.

8. Combination according to at least one of the preceding claims, characterized in that the wheels of the transport vehicle (33) can be driven and/or steered individually.

9. Combination according to at least one of the preceding claims, characterized in that interchangeable containers (100) can be mounted on the vehicle chassis of the transport vehicle (33).

10. Combination according to at least one of the preceding claims, characterized in that the transport vehicle (33) is without an operator workplace.

Abstract

The invention refers to a combination of a self-propelled harvester (32) and a transport vehicle (33), set up to accept crops from the harvester, which has at least one driven and at least one steered axle, wherein the transport vehicle (33) has an electronic control unit (38) which is set up to control the driven and the steered axle of the transport vehicle (33), and the control unit (38) is

connected to a receiving unit which is set up to receive position data for the harvester (32) so that the control unit (38) can be operated to control the transport vehicle (33) to accept crops from the harvester (32) automatically with respect to a position of the harvester (32).

The proposal is made that the control unit (38) be operable to automatically make the transport vehicle (32) drive parallel to the harvester (32) and to be docked to it so as to be able to accept crops from the harvester (32), and that the transport vehicle (33) be unmanned.

Figure 9